

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

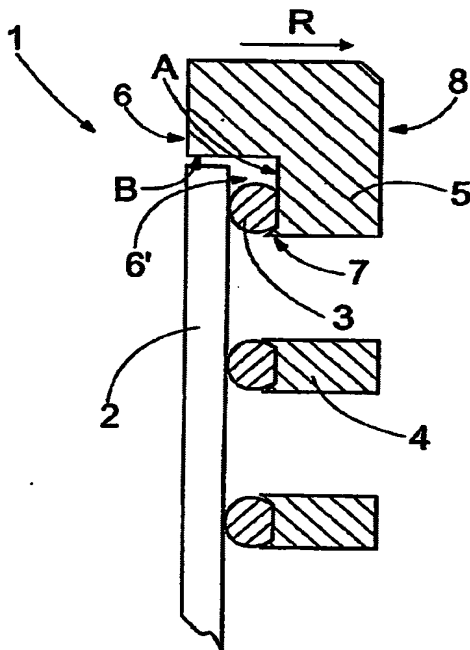
PCT

(10) International Publication Number
WO 2005/019529 A1

- (51) International Patent Classification⁷: **D21D 5/16** (74) Agent: **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).
- (21) International Application Number: **PCT/FI2004/000488** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 18 August 2004 (18.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 20031185 22 August 2003 (22.08.2003) FI
- (71) Applicant (for all designated States except US): **METSO PAPER INC** [FI/FI]; Fabianinkatu 9 A, FIN-00130 Helsinki (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **LAAKSO, Tauno** [FI/FI]; Sumatie 9, FIN-37630 Valkeakoski (FI).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **METHOD FOR MANUFACTURING SCREEN CYLINDER AND SCREEN CYLINDER**



(57) Abstract: A method for manufacturing a screen cylinder and a screen cylinder with screen wires (2) in the axial direction of the screen cylinder (1) set at predefined intervals into a cylindrical screen surface and fastened to support rods (3), and end rings (5) are arranged at the ends of the screen cylinder (1). At least one end ring (5) is mounted at one end of the screen cylinder (1) in such a manner that the end ring is arranged to at least one support rod (3) at the ends of the screen wires (2) or closest to the ends of the screen wires (2) without fastening the end ring (5) to the screen wires (2). When installing the end ring (5), a shrink fit is formed between the end ring (5) and support rod (3), wherein the end ring (5) is arranged to press the support rod (3) substantially perpendicular to the axis of the screen cylinder (1).